

CLAIMS

1. (Amended) A method for manufacturing a filter element, comprising the steps of:

supporting a filter so that at least one part of said filter is exposed; semi-curing resin in a prescribed shape to prepare a semi-cured resin through a removable section in a place, which is apart from the exposed part of said filter so as to face the exposed part thereof, and hold it;

removing the removable section and bringing said semi-cured resin into contact with the exposed part of said filter, to insert forcibly the part of said filter into said semi-cured resin; and

curing said semi-cured resin into which the part of said filter has been forcibly inserted.

2. The method for manufacturing a filter element as claimed in Claim 1, wherein:

said filter is a tubular filter, and said at least one part of said filter, which is to be forcibly inserted into said semi-cured resin, is opposite ends of said tubular filter.

3. The method for manufacturing a filter element as claimed in Claim 1 or 2, wherein:

said resin and material for said filter are formed of same material.

4. A filter element manufactured by carrying out the method as claimed in any one of Claims 1 to 3.

5. A mold for manufacturing a filter element, comprising:

a supporting member for supporting a filter so that at least one part of said filter is exposed; and

a semi-curing mold member for semi-curing resin in a prescribed shape, said semi-curing mold section having a holding section for holding at least a semi-cured resin and a removable section, which is removed to expose at least one part of said semi-cured resin, said removable section being disposed between an exposed part of said filter and said holding section, and said holding section being disposed so that said exposed part of said filter comes into contact with an exposed part of said semi-cured resin, after removal of said removable section.